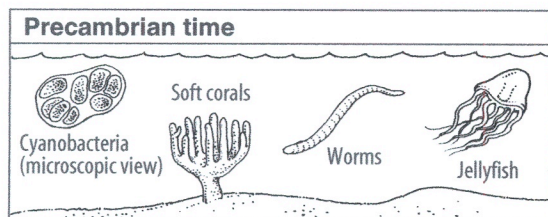


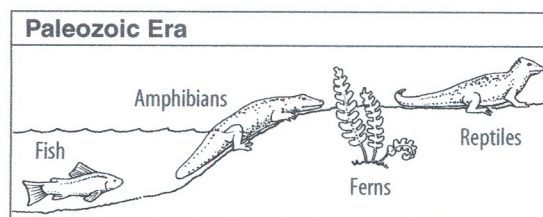
Directed Reading for  
Content Mastery

# Overview Geologic Time

**Directions:** Study the diagram. Then complete the sentences below.

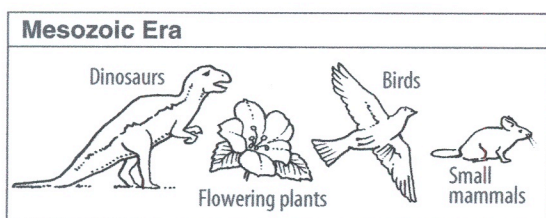


4.6 billion  
years ago

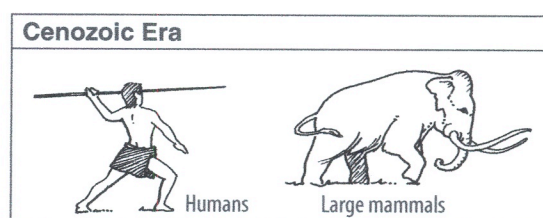


544 million  
years ago

245 million  
years ago



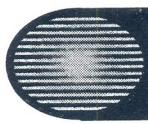
245 million  
years ago



66 million  
years ago

now

1. Ferns and reptiles appeared in the \_\_\_\_\_ Era.
2. In the \_\_\_\_\_ Era, humans and large mammals appeared.
3. Dinosaurs, birds, and flowering plants first appeared in the \_\_\_\_\_ Era.
4. During \_\_\_\_\_ time, the earliest life-forms appeared.
5. Small mammals appeared in the \_\_\_\_\_ Era.
6. The earliest life-form shown above is \_\_\_\_\_.
7. Reptiles appeared during the same era as ferns, fishes, and \_\_\_\_\_.
8. Worms and jellyfishes first appeared in \_\_\_\_\_ time.



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## Key Terms Geologic Time

**Directions:** Draw a line to connect the description on the left to the correct term on the right.

- |   |                     |
|---|---------------------|
| 1. major subdivisions of geological time based on differences in life-forms                       | Precambrian         |
| 2. organisms that lived hundreds of millions of years ago with bodies divided into three sections | geologic time scale |
| 3. the longest geological part of Earth's history   | eras                |
| 4. one of the earliest life-forms, which gave off oxygen  | species             |
| 5. flying animals that evolved from dinosaurs   | trilobites          |
| 6. the single landmass that once contained all Earth's continents                                 | periods             |
| 7. smaller units of time in a geologic period   | Pangaea             |
| 8. the time period where dinosaurs were the dominant life-form                                    | natural selection   |
| 9. the division of Earth's history into time units  | cyanobacteria       |
| 10. the longest subdivisions of geologic time   | eons                |
| 11. major divisions of an era   | birds               |
| 12. the change in organisms over time   | organic evolution   |
| 13. a group of organisms that normally reproduce with other members of their group                | Jurassic            |
| 14. process by which certain organisms survive and reproduce                                      | epoch               |